

5'	CCG	TCG	CGC	ATG	CGC	AAA	CAC	AGC	TGT	CGG	AAG	GTG	GCG	AGC	CTG	AGG	CGA	ACA
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	M	R	K	H	S	C	R	K	V	A	S	L	R	R	T			
	63																	
	ATG	GCG	GAG	CTG	GGC	GAA	GCC	GAT	GAA	GCG	GAG	TTG	CAG	CGC	CTG	GTG	GCC	GCC
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	M	A	E	L	G	E	A	D	E	A	E	L	Q	R	L	V	A	A
	117																	
	GAG	CAG	CAG	AAG	GCG	CAG	TTT	ACT	GCA	CAG	GTG	CAT	CAC	TTC	ATG	GAG	TTA	TGT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	E	Q	Q	K	A	Q	F	T	A	Q	V	H	H	F	M	E	L	C
	171																	
	TGG	GAT	AAA	TGT	GTG	GAG	AAG	CCA	GGG	AAT	CGC	CTA	GAC	TCT	CGC	ACT	GAA	AAT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	W	D	K	C	V	E	K	P	G	N	R	L	D	S	R	T	E	N
	225																	
	TGT	CTC	TCC	AGC	TGT	GTA	GAC	CGC	TTC	ATT	GAC	ACC	ACT	CTT	GCC	ATC	ACC	AGT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	C	L	S	S	C	V	D	R	F	I	D	T	T	L	A	I	T	S

FIGURE 1A

	279	288	297	306	315	324
CGG	TTT GCC CAG ATT GTA CAG AAA GGA GGG CAG TAG GCC ATC CCC CAG GAG AAT					
R	F A Q I V Q K G Q					
GAC	AGA AGC AAA GGA CTT GTT ACT AAG CAG ATT TAA GGG TCA GTG GGG GAA GGC					
TAT	CAA CCC ATT GTC AGA TCA GCA TCA GGC TGT TAT TAT CAA GTC TGT TGG TGC TAA					
AAA	GTA AAA GAT GAA ATG TTC AA 3'					

FIGURE 1B

1	M	R	K	H	S	C	R	K	V	A	S	L	R	R	T	M	A	E	L	G	E	A	D	E	A	E	L	Q	R	L	1613785
1	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	E	L	G	E	A	D	E	A	E	L	Q	R	L	g6524627
31	V	A	A	E	Q	Q	K	A	Q	F	T	A	Q	V	H	H	F	M	E	L	C	W	D	K	C	V	E	K	P	G	1613785
16	V	A	A	E	Q	Q	K	A	Q	F	T	A	Q	V	H	H	F	M	E	L	C	W	D	K	C	V	E	K	P	G	g6524627
61	N	R	L	D	S	R	T	E	N	C	L	S	S	C	V	D	R	F	I	D	T	T	L	A	I	T	S	R	F	A	1613785
46	N	R	L	D	S	R	T	E	N	C	L	S	S	C	V	D	R	F	I	D	T	T	L	A	I	T	S	R	F	A	g6524627
91	Q	I	V	Q	K	G	G	Q																						1613785	
76	Q	I	V	Q	K	G	G	Q																						g6524627	

FIGURE 2